

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P189028

Luminaire Tested: **RZL-WB-30L835-1D-UNV-STD-W-4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P189028  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P34813)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: RZL-WB-30L835-1D-UNV-STD-W-4  
Description: RZL LINEAR LED FIXTURE  
WITH LUMINOUS SIDES, SNAP-ON CLEAR LINEAR PRISMATIC LENS AND INTERNAL  
BAFFLE  
Light Source: (112) 3500K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3006.5 lumens  
Efficiency: N/A  
Efficacy: 121.2 lumens/watt  
Spacing Criteria (0/90/45): 1.13 / 1.22 / 1.27  
Luminous Opening: Rectangular w/ Sides (W: 0.53' x L: 3.83' x H: 0.12')  
CIE Type: Semi-Direct

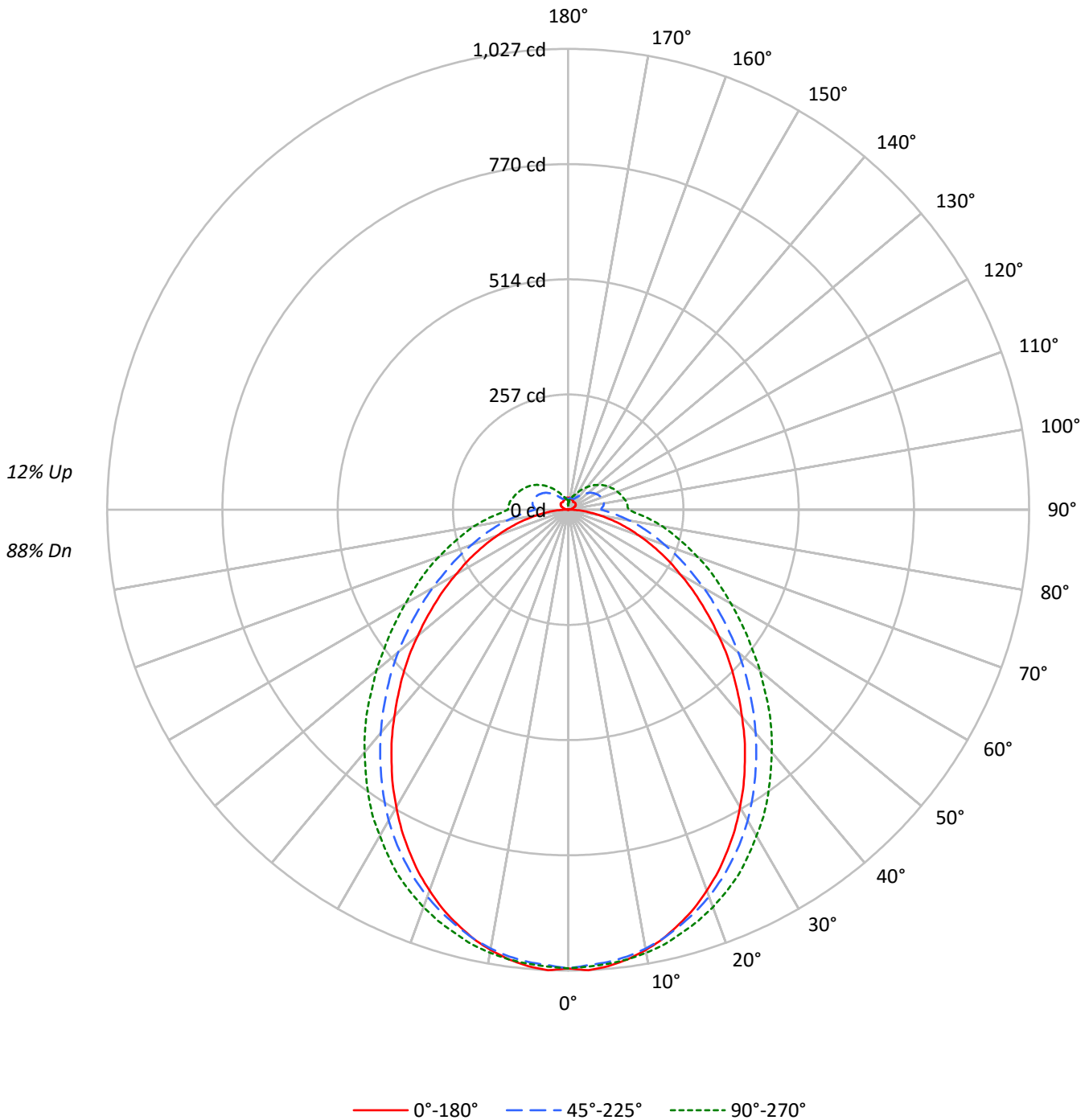
Input Watts (W): 24.8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88
1	105	100	96	92	101	97	93	89	90	87	84	84	82	79	79	77	75	72
2	96	88	81	75	92	85	78	73	79	74	70	74	70	66	69	66	63	60
3	88	77	69	63	84	75	67	61	70	64	59	66	60	56	61	57	54	51
4	80	68	60	53	77	66	58	52	62	56	50	59	53	48	55	50	46	44
5	74	61	52	46	71	59	51	45	56	49	44	53	47	42	50	45	40	38
6	68	55	47	40	66	54	46	40	51	44	38	48	42	37	45	40	36	34
7	63	50	42	36	61	49	41	35	46	39	34	44	38	33	41	36	32	30
8	59	46	38	32	57	45	37	31	42	35	31	40	34	30	38	33	29	27
9	55	42	34	29	53	41	34	28	39	32	28	37	31	27	35	30	26	24
10	52	39	31	26	50	38	31	26	36	30	25	34	29	24	33	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	5382	5382	5382
5°	5382	5261	5262
10°	5296	5139	5147
15°	5166	4981	5009
20°	5001	4811	4866
25°	4802	4607	4703
30°	4568	4384	4493
35°	4311	4123	4284
40°	4029	3855	4053
45°	3752	3577	3819
50°	3450	3307	3571
55°	3158	3029	3337
60°	2877	2767	3138
65°	2626	2533	2994
70°	2368	2318	2867
75°	2102	2161	2773
80°	1801	2029	2774
85°	1501	1940	2787



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.4	3.2
10°-20°	272.0	9.0
20°-30°	398.7	13.3
30°-40°	456.2	15.2
40°-50°	443.5	14.7
50°-60°	377.0	12.5
60°-70°	287.3	9.6
70°-80°	195.1	6.5
80°-90°	112.9	3.8
90°-100°	80.3	2.7
100°-110°	78.4	2.6
110°-120°	69.0	2.3
120°-130°	54.7	1.8
130°-140°	38.2	1.3
140°-150°	23.7	0.8
150°-160°	13.5	0.4
160°-170°	7.4	0.2
170°-180°	2.3	0.1
0°-30°	767.2	25.5
0°-40°	1223.4	40.7
0°-60°	2043.9	68.0
0°-90°	2639.2	87.8
90°-120°	227.6	7.6
90°-150°	344.2	11.4
90°-180°	367.0	12.2
0°-180°	3006.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1022	1022	1022	1022	1022	
5°	1021	1018	1012	1018	1016	97
15°	956	958	960	976	977	269
25°	839	845	863	890	898	386
35°	686	698	726	764	776	429
45°	520	535	571	616	633	401
55°	360	376	419	466	485	323
65°	226	239	286	339	361	224
75°	116	131	181	234	256	124
85°	34	55	101	151	170	35
90°	0	26	74	120	134	2
95°	2	28	78	122	132	3
105°	9	33	81	117	123	10
115°	17	35	76	106	111	16
125°	21	32	65	89	95	18
135°	22	27	50	70	77	17
145°	21	26	34	51	56	13
155°	23	26	27	32	38	11
165°	26	26	26	25	28	7
175°	27	27	25	20	16	3
180°	22	22	22	22	22	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1022.2	1022.2	1022.2	1022.2	1022.2
2.5°	1027.4	1023.2	1016.0	1021.2	1019.1
5°	1021.2	1018.1	1011.9	1018.1	1016.0
7.5°	1010.8	1008.8	1004.6	1011.9	1010.8
10°	996.3	995.3	993.2	1003.6	1002.6
12.5°	978.8	978.8	978.8	991.2	992.2
15°	956.0	958.1	960.1	975.7	976.7
17.5°	932.2	935.3	940.5	959.1	961.2
20°	903.2	907.4	917.7	939.4	942.5
22.5°	873.2	878.4	891.8	915.6	920.8
25°	839.1	845.3	862.9	889.8	898.1
27.5°	803.9	812.2	832.9	860.8	869.1
30°	765.6	776.0	799.8	829.8	839.1
32.5°	727.3	738.7	763.6	796.7	810.1
35°	686.0	698.4	726.3	763.6	776.0
37.5°	645.6	659.1	688.0	728.4	740.8
40°	602.2	619.7	649.7	691.1	705.6
42.5°	560.8	577.3	610.4	653.9	670.4
45°	520.4	534.9	571.1	615.6	633.2
47.5°	480.1	494.6	533.9	576.3	592.8
50°	437.6	452.1	494.6	540.1	557.7
52.5°	398.3	412.8	455.2	500.8	519.4
55°	360.1	375.6	419.0	465.6	485.2
57.5°	324.9	338.3	382.8	431.4	451.1
60°	288.7	303.1	348.7	398.3	419.0
62.5°	257.6	270.0	314.5	367.3	389.0
65°	225.5	239.0	285.6	339.4	361.1
67.5°	195.5	210.0	256.6	311.4	334.2
70°	167.6	182.1	228.7	284.5	306.2
72.5°	141.7	157.3	203.8	258.7	280.4
75°	115.9	131.4	181.1	233.8	255.6
77.5°	92.1	110.7	159.3	213.1	233.8
80°	70.4	90.0	138.6	191.4	213.1
82.5°	50.7	71.4	119.0	171.7	190.4
85°	34.1	54.8	101.4	151.1	169.7
87.5°	16.6	39.3	85.9	133.5	148.0
90°	0.0	25.9	73.5	120.0	134.5
92.5°	1.0	26.9	74.5	121.1	132.4
95°	2.1	27.9	77.6	122.1	132.4
97.5°	4.1	30.0	79.7	122.1	131.4
100°	6.2	31.0	80.7	121.1	128.3
102.5°	7.2	32.1	80.7	120.0	125.2
105°	9.3	33.1	80.7	116.9	123.1
107.5°	10.3	34.1	80.7	114.8	120.0
110°	12.4	34.1	78.6	111.7	116.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	14.5	34.1	77.6	108.6	113.8
115°	16.6	35.2	75.5	105.5	110.7
117.5°	17.6	34.1	73.5	101.4	106.6
120°	19.7	34.1	70.4	97.3	103.5
122.5°	19.7	33.1	68.3	93.1	99.3
125°	20.7	32.1	65.2	89.0	95.2
127.5°	20.7	31.0	62.1	84.8	91.0
130°	21.7	29.0	57.9	79.7	85.9
132.5°	21.7	27.9	53.8	75.5	81.7
135°	21.7	26.9	49.7	70.4	76.6
137.5°	21.7	26.9	45.5	65.2	71.4
140°	21.7	25.9	41.4	61.0	66.2
142.5°	20.7	25.9	38.3	55.9	61.0
145°	20.7	25.9	34.1	50.7	55.9
147.5°	20.7	25.9	32.1	45.5	50.7
150°	21.7	25.9	29.0	40.4	46.6
152.5°	22.8	25.9	26.9	36.2	42.4
155°	22.8	25.9	26.9	32.1	38.3
157.5°	23.8	25.9	26.9	27.9	34.1
160°	23.8	25.9	26.9	25.9	32.1
162.5°	24.8	25.9	26.9	25.9	30.0
165°	25.9	25.9	25.9	24.8	27.9
167.5°	25.9	26.9	25.9	22.8	26.9
170°	26.9	26.9	25.9	21.7	24.8
172.5°	26.9	26.9	24.8	20.7	19.7
175°	26.9	26.9	24.8	19.7	15.5
177.5°	26.9	26.9	24.8	19.7	9.3
180°	21.7	21.7	21.7	21.7	21.7

(END OF REPORT)